The CB-5222 is a full HD IP bullet camera that combines military-grade video analytics with broadcast quality camera technology. Enjoy the benefits of optimal picture quality under low-light and high-contrast lighting conditions.

The camera’s video analytics detects intrusions, fence trespassing, tripwire crossover, unattended baggage, removed object, stopped vehicle and loitering. Rules and scheduled actions are easily defined and configured through the camera’s interface. Alarms are sent via FTP, ONVIF, relay or over the web. The CB-5222’s analytics provide detection of sophisticated intruders and small objects from a distance, even in the case where large or multiple objects and movement are in the frame. This results in minimal false alarms.

The indoor/outdoor camera automatically calibrates depth settings and offers a choice of three motorized varifocal lenses for remote zoom and auto focus. A single PoE/PoE+ cable connection reduces overall deployment costs.

HD broadcast quality with military grade analytics

Detection Types*

- Intrusion
- Regional entrance
- Tripwire
- Fence trespassing
- Unattended baggage
- Object removal
- Stopped vehicle
- Loitering
- Camera tampering

Features

- Integrated video analytics
- Auto calibration of depth settings
- Supports relay events triggered by analytics (e.g. activate a siren or turn on lights).
- Choice of lenses for increased detection distance
- Reliable detection of sophisticated intruders; people standing upright
- True/Shutter WDR (multi-exposure) at low bandwidth
- Integrated web setup
- Power over Ethernet (PoE/PoE+)

Benefits

- Improved security and situational awareness through user-customizable detection rules, positioning criteria, responses, alarms and scheduled actions
- Simplified setup and reduced user errors, installation time, and manpower requirements
- Integration with any relay-activated device
- Fewer cameras required for complete coverage
- Minimum false alarm rates regardless of intruder type (i.e. camouflaged/crawling vs sophisticated intruders)
- Superior quality under diverse lighting conditions results in lower storage costs, electricity, and Total Cost of Ownership (TCO)
- Easy intuitive setup of camera and analytic behavior
- One cable supports network, power and video connections.

* An additional license is not required. It is possible to simultaneously run five intruders, tampering and loitering rules, one unattended baggage rule or one stopped vehicle rule.
General Specifications

Camera

- **Image Sensor**: 1/2.8” 2.1 Megapixel Progressive Exmor CMOS
- **Effective Pixels (H x V)**: 1920 x 1080
- **Sensitivity**:
  - Color: 0.2 lux@F1.4
  - B/W: 0.1 lux@F1.4
  - @ 15 FPS, 36dB max. gain
- **Operation**:
  - **Video Resolution**: Full HD 1080p
  - **Video Compression**: H.264, MJPEG
  - **Video Streaming**: 30FPS @ 1920 x 1080 @ H.264
  - **Backlight Compensation**: On/Off
  - **Bandwidth**: Configurable 64Kbps - 8Mbps
  - **Digital Slow Shutter (DSS)**: 32x sensitivity boost in color or night mode
  - **Day/Night Mode**: Auto/On/Off
  - **Mechanical IR Cut Filter**: Yes
  - **AGC Control**: Auto/Manual
  - **White Balance**: Auto/True/Shutter (96 dB) and Digital
  - **Noise Reduction**: 2DNR/3DNR
  - **Birectional Audio**: Line In/Line Out
  - **Audio Compression**: G.711A/G.726
  - **Alarm Input**: 1x relay output (rated load 0.3A@ 30VDC)
  - **Relay Output**: 1x relay output (rated load 0.3A@ 30VDC)
  - **Analog Video Output**: Composite 1v p-p (PAL or NTSC), 1 x BNC 75Ω
  - **Event Notification**: HTTP, FTP, ONVIF and Relay

Network

- **Ethernet Interface**: 1x RJ45 10/100/1000Mbps
- **Protocols**: IPv4, TCP, UDP, RTP, RTSP, HTTP, ICMP, FTP, SMTP, DHCP, UPnP, IGMP, SNMP, ONVIF Profile S, NTP
- **Security**: IP Filter, IEEE 802.1x
- **Internet Browser**: Internet Explorer 8, 9, 10, and 11

Lens and Iris

- **Lens and Iris**: CB-5222-11
- **Focal Length**: 3 to 10.5mm
- **F Number**: F1.4
- **FOV**: 93.2° (Wide); 31.9° (Tele)
- **Iris Control**: DC-Iris

Physical

- **Dimensions (L x W x H)**: 285 x 96 x 94mm (11.1 x 3.8 x 3.7 in.) with sunshield and fully extended mounting arm
- **Weight**: 940 g (2.07 lbs.)
- **Enclosure**: IP 66 weatherproof protection, IK10 vandal-proof

Environmental

- **Operating Temperature**: -40° to 50°C (-40° to 122°F) w/ 12VDC/24VAC/PoE+/PoE
- **Storage Temperature**: -20° to 70°C (-4° to 158°F)
- **Humidity**: 10% to 90% (non-condensing)

Electrical

- **Power Source**: 12VDC/24VAC/PoE (802.3af Class 0)/PoE+/PoE (802.3at)
- **Power Consumption**: 25W max

Regulatory

- **Safety**: UL, CE
- **Electromagnetic Interference (EMC)**: FCC 47 CFR Part 15, Subpart B Class A; CE Class A; RCM

Warranty & Regulatory

- **Warranty**: According to FLIR RMA Policy and Process Notice document
- **USA**: UL, FCC Part 15 (subpart B, class A)
- **International**: CE marked, EN55022-1998 class A, EN55024, RoHS

Accessories

A complete list of mounts, brackets, pole mounts and recess kits for cameras can be found in the FLIR Price List and Camera Accessory Guide.

Camera Ordering Information

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CB-5222-11</td>
<td>Full HD 1080p Bullet IP camera with built-in video analytics. D/N, WDR, IR Cut Filter, H.264, 25/30 fps. 1/2.8&quot; CMOS, F1.4 motorized 3-10.5mm auto-focus, DC-Iris lens. 12VDC/24VAC/PoE+/PoE+</td>
</tr>
<tr>
<td>CB-5222-21</td>
<td>Full HD 1080p Bullet IP camera with built-in video analytics. D/N, WDR, IR Cut Filter, H.264, 25/30 fps. 1/2.8&quot; CMOS, F1.4 motorized 7-22mm auto-focus, DC-Iris lens. 12VDC/24VAC/PoE+/PoE+</td>
</tr>
<tr>
<td>CB-5222-31</td>
<td>Full HD 1080p Bullet IP camera with built-in video analytics. D/N, WDR, IR Cut Filter, H.264, 25/30 fps. 1/2.8&quot; CMOS, F1.6 motorized 6-50mm auto-focus, DC-Iris lens. 12VDC/24VAC/PoE+/PoE+</td>
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